

# Hardik Sachan

✉ sachanhardik@gmail.com ☎ +91 9452757947 🌐 GitHub 🌐 LinkedIn 🌐 Blog

## EDUCATION

<b>National Institute of Technology Delhi</b> <i>B.Tech in Electrical and Electronics Engineering</i>	2025 7.77/10
<b>Delhi Public School Barra, Kanpur</b> <i>Class XII, CBSE Board</i>	2021 98.8%

## EXPERIENCE

<b>Logistics Coordinators</b>   Ontario, CA (Remote)	Apr 2023 — Apr 2024
<i>Tech Head</i>	<i>Aug 2023 — Apr 2024</i>
<i>Full Stack Developer</i>	<i>Jun 2023 — Aug 2023</i>
<i>Freelance Web Developer</i>	<i>Apr 2023 — Jun 2023</i>
<ul style="list-style-type: none"><li>Spearheaded the development of a <b>cloud-based fleet management platform</b>, enhancing scalability and user experience by leveraging strong leadership and technical expertise.</li><li>Achieved a seamless backend migration, boosting system performance and maintainability by re-architecting from a non-modular NodeJS environment to a scalable <b>GoLang</b> solution with <b>PostgreSQL</b>, <b>RabbitMQ</b>, <b>Kubernetes</b>, and a custom-built <b>CI/CD</b> pipeline.</li><li>Delivered a robust and visually appealing user interface, increasing user satisfaction by using <b>NextJS</b>, <b>Tailwind</b>, <b>Drizzle</b>, and other modern technologies.</li><li>Created a high-performing mobile app for drivers, improving user experience by developing with <b>Flutter</b>.</li></ul>	

## PROJECTS

<b>Server Side Utilities</b>   Go, PostgreSQL	<a href="#">Github</a>
This project offers a suite of robust libraries designed to enhance various functionalities:	
<ul style="list-style-type: none"><li><b>xmessage</b>: Delivers asynchronous message handling with <b>idempotent inbox</b> and <b>transactional outbox</b>, ensuring reliable communication.</li><li><b>xretry</b>: Implements seamless retry mechanisms for operations, improving resilience and fault tolerance.</li><li><b>xerrors</b>: Enhances error handling with advanced features for better error management and debugging.</li><li><b>xlog</b>: Provides comprehensive logging capabilities to monitor and track application events effectively.</li><li><b>xtoken</b>: Facilitates secure token generation and management for authentication and authorization processes.</li><li><b>xhash</b>: Offers versatile hashing functionalities, including bcrypt, for secure data hashing needs.</li></ul>	
<b>Identity Reconciliation API</b>	<a href="#">Github</a>
<ul style="list-style-type: none"><li>Developed an identity reconciliation service for an e-commerce platform.</li><li>Designed to identify and link customer purchases across different contact information.</li><li><b>Technologies Used</b> — <b>NodeJS</b>, <b>PostgreSQL</b>, <b>REST</b></li></ul>	
<b>Autonomous Driving System</b>   B.Tech Minor Project	<a href="#">Presentation</a> <a href="#">Report</a> <a href="#">Github</a>
<ul style="list-style-type: none"><li>Implemented deep learning for lane detection with optimized sampling for efficiency.</li><li>Performed semantic segmentation of RGB images for lane marking identification under varying conditions.</li><li>Employed Proximal Policy Optimization (PPO) for lane following within the CARLA simulator environment.</li></ul>	

## SKILLS

**Languages** — Go, Typescript, Rust, Javascript, Python, Kotlin, Java, PostgreSQL  
**Web Technologies** — ReactJS, NextJS, Drizzle, Express JS, Chakra UI, Tailwind CSS, Tanstack Query  
**DevOps** — Docker, Kubernetes, Git, Argo CD, Crossplane, Prometheus, Linux  
**Software Architecture** — Hexagonal Architecture, Test Driven Development, Domain Driven Design

## ARTICLES

<b>Introduction to appwrite cloud functions with Android and Kotlin</b>   Oct 21, 2021	<a href="#">Link</a>
<b>Getting Started with Linux Terminal</b>   Dec 28, 2021	<a href="#">Link</a>
<b>Introduction to Android and Kotlin</b>   Feb 07, 2023	<a href="#">Link</a>